CHAMPION
GLOBAL POWER EQUIPMENT™

OWNER'S MANUAL & OPERATING INSTRUCTIONS

9000 Peak Watts / 7200 Running Watts

PORTABLE GENERATOR

2 YEAR LIMITED WARRANTY

MODEL NUMBER **41552**

SAVE THESE INSTRUCTIONS
Important Safety Instructions are included in this manual.

MADE IN CHINA
REV 41552-20110809

10006 Santa Fe Springs Road
Santa Fe Springs CA 90670
USA / 1 (877) 338-0999
www.championpowerequipment.com

Have questions or need assistance?

Do not return this product to the store!

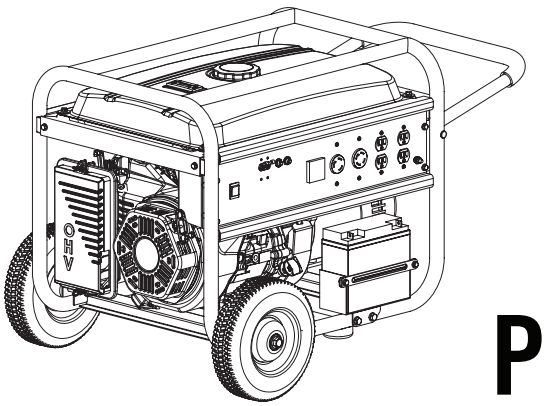
WE ARE HERE TO HELP!

Visit our website:
www.championpowerequipment.com
for more info:

- Product Info & Updates
- Frequently Asked Questions
- Tech Bulletins
- Product Registration

– or –

Call our Customer Care Team Toll-Free at:
1-877-338-0999



9000 Peak Watts / 7200 Running Watts

PORTABLE GENERATOR

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INTRODUCTION

Introduction

Congratulations on your purchase of a Champion Power Equipment generator. CPE designs and builds generators to strict specifications. With proper use and maintenance, this generator will bring years of satisfying service.

Portable Power Generator

This unit is a gasoline engine driven, alternating current (AC) generator. It is designed to supply electrical power for lighting, appliances, tools and similar equipment.

Accessories

Champion Power Equipment manufactures and sells accessories designed to help you get the most from your purchase. To find out more about our covers, power cables and storm kits, please visit our web site at:

➔ **www.championpowerequipment.com**

This Booklet

Every effort has been made to ensure the accuracy and completeness of the information in this manual. We reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

Record the model and serial numbers as well as date and place of purchase for future reference. Have this information available when ordering parts and when making technical or warranty inquiries.

Champion Power Equipment Support
1 (877) 338-0999
Model Number
41552
Serial Number
Date of Purchase
Purchase Location

For **Oil Type** see ‘Add Engine Oil‘ section. For **Fuel Type** see ‘Add Fuel‘ section.

MANUAL CONVENTIONS

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning power equipment.
Follow all safety messages to avoid or reduce the risk of serious injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, ***will*** result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, ***could*** result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, ***may*** result in minor or moderate injury.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, ***may*** result in property damage.

NOTE

If you have questions regarding your generator, we can help. Please call our help line at **1 (877) 338-0999**

SAFETY RULES

⚠ WARNING

Read this manual thoroughly before operating your generator. Failure to follow instructions could result in serious injury or death.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

⚠ DANGER

Generator exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

Operate generator outdoors only in a well ventilated area.
DO NOT operate the generator inside any building, including garages, basements, crawlspaces and sheds, enclosure or compartment, including the generator compartment of a recreational vehicle.
DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.
DANGER CARBON MONOXIDE: using a generator indoors **CAN KILL YOU IN MINUTES**.

⚠ DANGER

Rotating parts can entangle hands, feet, hair, clothing and/or accessories.
Traumatic amputation or severe laceration can result.

Keep hands and feet away from rotating parts.
Tie up long hair and remove jewelry.
Operate equipment with guards in place.
DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

⚠ DANGER

Generator produces powerful voltage.

DO NOT touch bare wires or receptacles.
DO NOT use electrical cords that are worn, damaged or frayed.
DO NOT operate generator in wet weather.
DO NOT allow children or unqualified persons to operate or service the generator
Use a ground fault circuit interrupter (GFCI) in damp areas and areas containing conductive material such as metal decking.
Use approved transfer equipment to isolate generator from your electric utility and Notify your utility company before connecting your generator to your power system.

⚠ WARNING

Sparks can result in fire or electrical shock.

When servicing the generator:
Disconnect the spark plug wire and place it where it cannot contact the plug.
DO NOT check for spark with the plug removed.
Use only approved spark plug testers.

⚠ WARNING

Running engines produce heat. Severe burns can occur on contact.
Combustible material can catch fire on contact.

DO NOT touch hot surfaces.
Avoid contact with hot exhaust gases.
Allow equipment to cool before touching.
Maintain at least three feet of clearance on all sides to ensure adequate cooling.
Maintain at least five feet of clearance from combustible materials.

SAFETY RULES

⚠ DANGER

Fuel and fuel vapors are highly flammable and extremely explosive.
Fire or explosion can cause severe burns or death.
Unintentional startup can result in entanglement, traumatic amputation or laceration.

When adding or removing fuel:
Turn the generator off and let it cool for at least two minutes before removing the fuel cap. Loosen the cap slowly to relieve pressure in the tank.
Only fill or drain fuel outdoors in a well-ventilated area.
DO NOT overfill the fuel tank.
Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.
DO NOT light or smoke cigarettes.

When starting the generator:
DO NOT attempt to start a damaged generator.
Make certain that the gas cap, air filter, spark plug, fuel lines and exhaust system are properly in place.
Allow spilled fuel to evaporate fully before attempting to start the engine.
Make certain that the generator is resting firmly on level ground.

When operating the generator:
DO NOT move or tip the generator during operation.
DO NOT tip the generator or allow fuel or oil to spill.

When transporting or servicing the generator:
Make certain that the fuel shutoff valve is in the off position and the fuel tank is empty.
Disconnect the spark plug wire.
When storing the generator:
Store away from sparks, open flames, pilot lights, heat and other sources of ignition.

⚠ WARNING

Operation of this equipment may create sparks that can start fires around dry vegetation.

A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

⚠ WARNING

Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go.
Unintentional startup can result in entanglement, traumatic amputation or laceration.
Broken bones, fractures, bruises or sprains could result.

When starting engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.
DO NOT start or stop the engine with electrical devices plugged in.

ⓘ CAUTION

Exceeding the generator's running capacity can damage the generator and/or electrical devices connected to it.

DO NOT overload the generator.
Start the generator and allow the engine to stabilize before connecting electrical loads.
Connect electrical equipment in the off position, and then turn them on for operation.
Turn electrical equipment off and disconnect before stopping the generator.
DO NOT tamper with the governed speed.
DO NOT modify the generator in any way.

ⓘ CAUTION

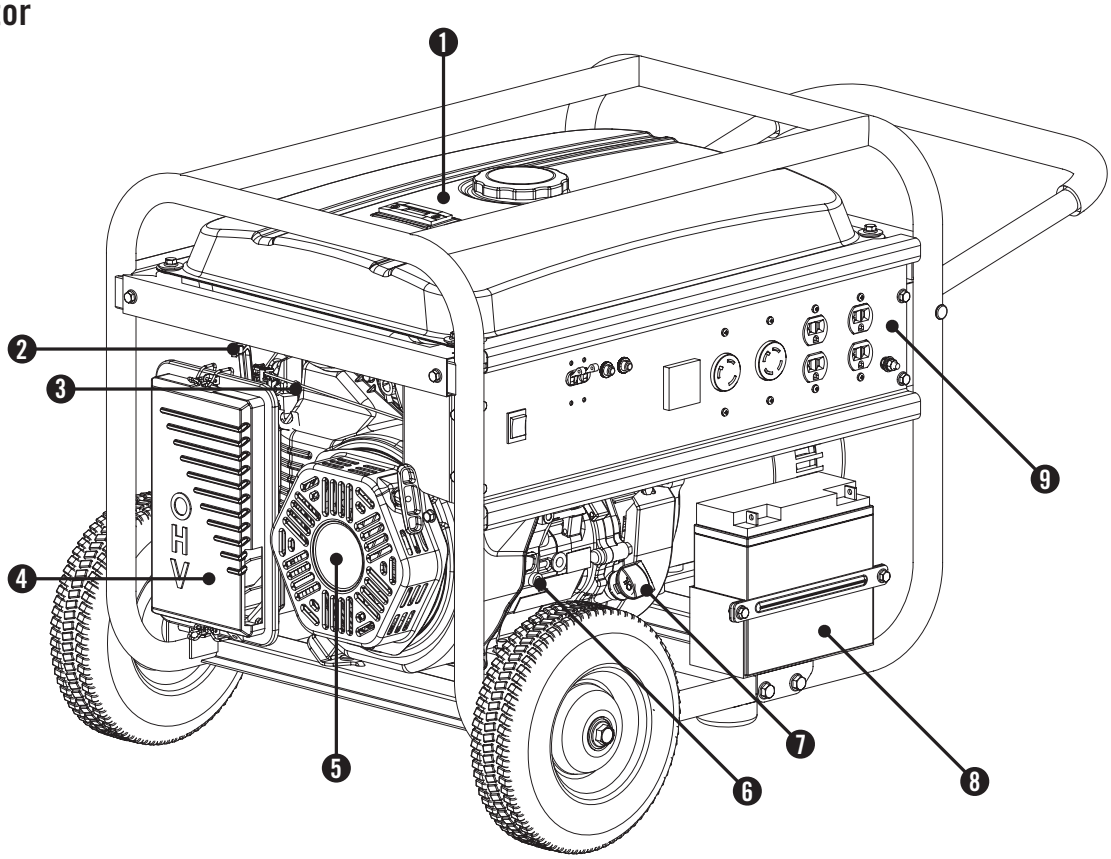
Improper treatment or use of the generator can damage it, shorten its life and void your warranty.

Use the generator only for intended uses.
Operate only on level surfaces.
DO NOT expose generator to excessive moisture, dust, or dirt.
DO NOT allow any material to block the cooling slots.
If connected devices overheat, turn them off and disconnect them from the generator.
DO NOT use the generator if:
- Electrical output is lost
- Equipment sparks, smokes or emits flames
- Equipment vibrates excessively

CONTROLS AND FEATURES

Read this owner's manual before operating your generator. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.

Generator



(1) **Fuel Tank** – 6.5 gallon capacity fuel tank (25L).

(2) **Choke Lever** – Used to start the engine.

(3) **Fuel Valve** – Turn this valve to the "On" position to supply fuel to the engine.

(4) **Air Cleaner** – Protects the engine by filtering dust and debris from the intake air.

(5) **Recoil Starter** – Used to start the engine.

(6) **Low Oil Sensor** – Senses the level of oil in the crankcase and shuts the engine down if the level falls too low.

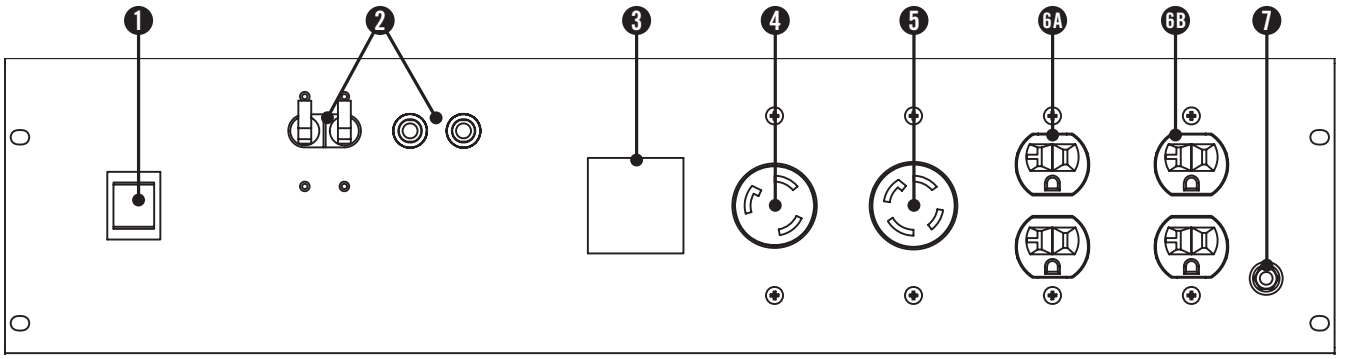
(7) **Oil Filler Cap** – Check and fill engine oil level.

(8) **Battery** – Used to start the engine.

(9) **Power Panel** – See "Power Panel"

CONTROLS AND FEATURES

Power Panel



(1) **Engine Switch** – Press the switch to the "Start" position to start the generator. Flip to the "Off" position to turn off the generator.

(2) **Circuit Breakers** – Protects the generator against electrical overload.

(3) **Voltmeter** – Displays the output voltage of the generator.

(4) **120V / 30A Twist-Lock** – protected by a 30 Amp circuit breaker. This receptacle powers 120 Volt AC, 60 Hz, single phase loads requiring up to 30 Amps or 3600 Watts of power.

(5) **120/240V / 30A Twist-Lock** – protected by a 30 Amp circuit breaker on each 120 Volt leg of the receptacle. This receptacle powers 240 Volt AC, 60 Hz, single phase loads requiring up to 30 Amps or 7200 Watts of power. If an L14- 30P plug is wired for only one 120 Volt leg (3-wire connection) then this receptacle powers 120 Volt AC, 60 Hz, single phase loads requiring up to 30 Amps or 3600 Watts of power.

(6) **120V / 20A Duplex (2)** – Each duplex is used to operate 120 Volt AC, single phase, 60 Hz loads requiring up to 20 Amps Or 2400 Watts of power.

(7) **Ground Terminal** – Consult an electrician for local grounding regulations.

Parts Included

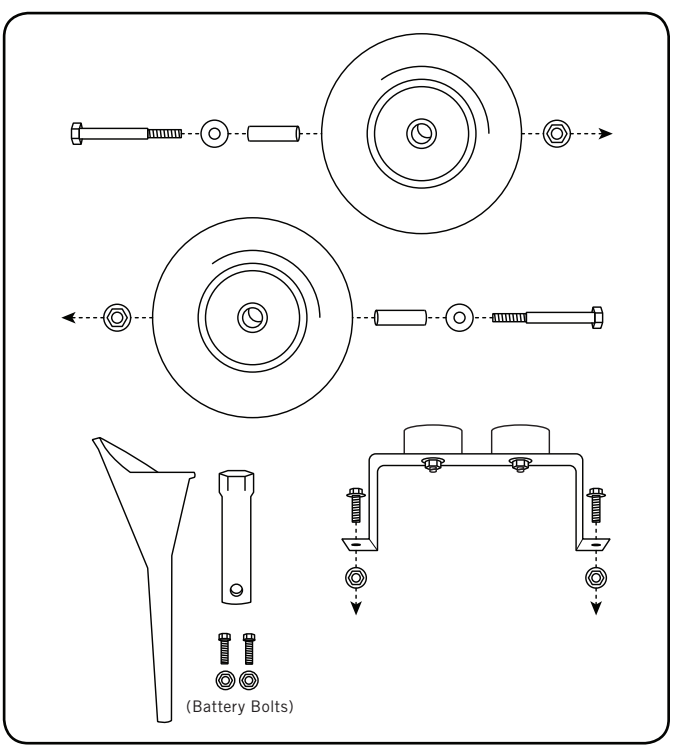
Your 41552 Gasoline Powered Generator ships with the following parts:

Wheel Kit

- 10" Wheel 2
- Flange Bolt (M10x120 for Wheel) 2
- Flat Washer 10 2
- Bushing 2
- Nut (M10) 2
- Support Leg w/Vibration Mounts 1
- Flange Bolt (M8x16 for Support Leg) 2
- Nut (M8) 2

Other

- Oil Funnel 1
- Spark Plug Socket 1
- Cap Screw (M5x12 for Battery Terminals) 2
- Nut (M5) 2



ASSEMBLY

Your generator requires some assembly. This unit ships from our factory without oil. It must be properly serviced with fuel and oil before operation.
If you have any questions regarding the assembly of your generator, call our help line at 1 (877) 338-0999. Please have your serial number and model number available.

Remove the Generator from the Shipping Carton

1. Set the shipping carton on a solid, flat surface.
2. Remove everything from the carton except the generator.
3. Carefully cut each corner of the box from top to bottom. Fold each side flat on the ground to provide a surface area to install the wheel kit and support leg.

Install the Wheel Kit

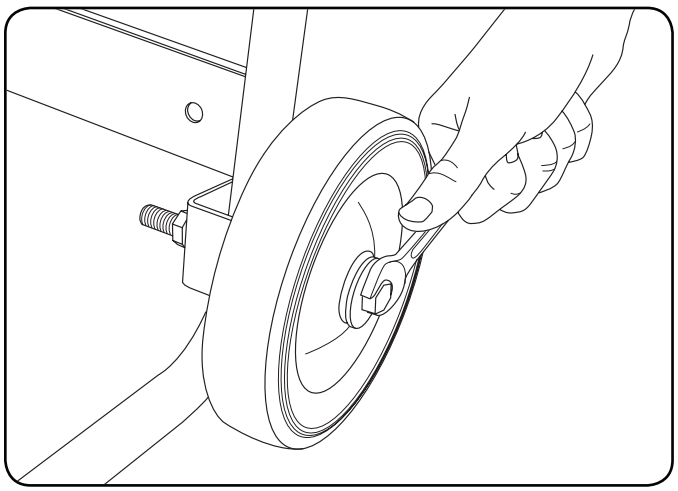
⚠ CAUTION

The wheel kit is not intended for over-the-road use.

You will need the following tools to install the wheels:

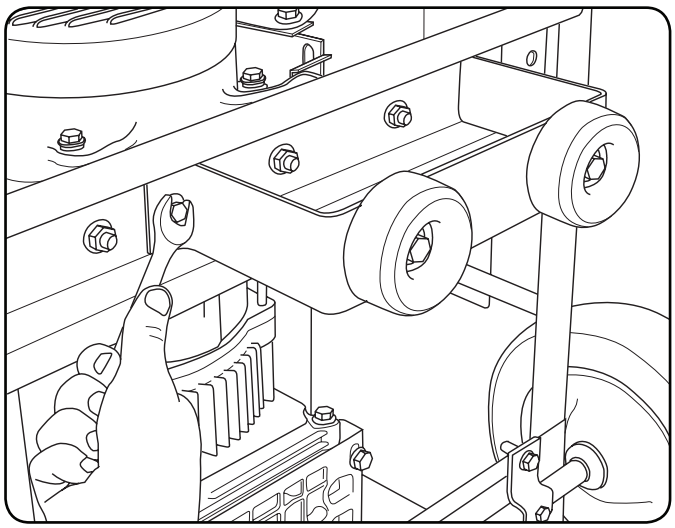
- 17 mm wrench OR adjustable wrench (not included)
- Socket wrench with a 16 mm socket (not included)
- Pliers (not included)

1. Before adding fuel and oil, tip the generator on it's side.
2. Slide the wheel bolt (M10x120) through the washer, sleeve and wheel.
3. Slide the bolt through the mount point on the frame.
4. Fasten securely with the M10 nut.
5. Repeat steps 2-4 to attach the second wheel.



Install the Support Leg

1. Attach the support leg to the generator frame with cap screws (M8x16) and lock nuts (M8).
2. Tip the generator slowly so that it rests on the wheels and support leg.



Connect the Battery

1. Remove the protective cover from the red (+) lead on the battery.
2. Attach the red (+)lead to the red (+) terminal on the battery with the cap screw (M5x12) and secure with the lock washer (M5)
3. Repeat steps 1-2 for the black (–) battery lead.

Add Engine Oil

⚠ CAUTION

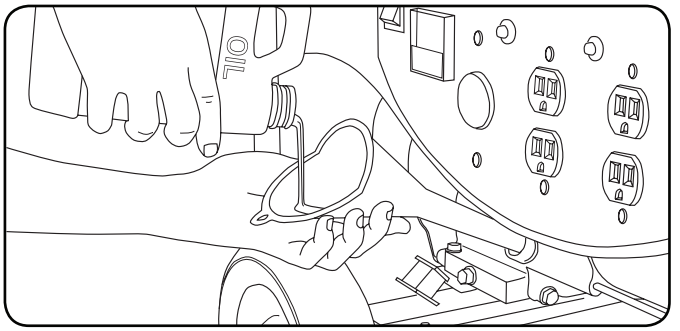
DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the generator as a result of failure to follow these instructions will void your warranty.

NOTE

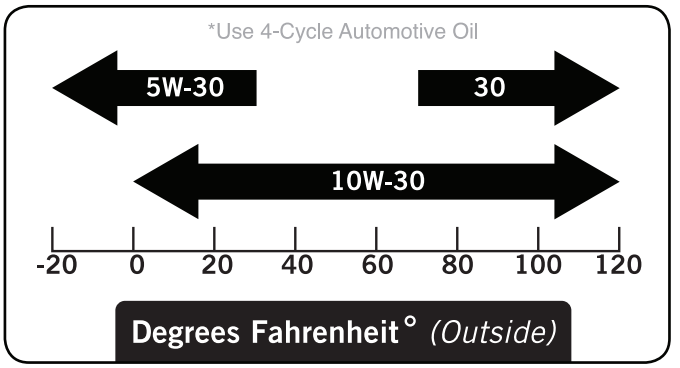
The recommended oil type is 10W-30 4-cycle automotive oil. Please see "Specifications" section for more information on oil types.

Add Engine Oil Cont'd.

1. Place the generator on a flat, level surface.



2. Remove oil fill cap/dipstick to add oil.
3. Add 1.16 qt (1.1 L) of oil and replace oil fill cap/dipstick. See "Specifications" page in the manual for oil recommendations based on operating conditions.



4. Check engine oil level daily and add as needed.

CAUTION

The engine is equipped with a low-oil-shutoff and will stop when the oil level in the crankcase falls below the threshold level.

NOTE

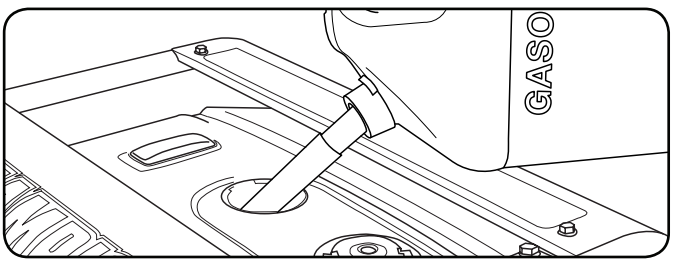
Check oil often during the break-in period. Refer to the Maintenance section for recommended service intervals.

NOTE

The generator rotor has a sealed, pre-lubricated ball bearing that requires no additional lubrication for the life of the bearing.

Add Fuel

1. Use clean, fresh, regular unleaded fuel with a minimum octane rating of 85 and an ethanol content of less than 10% by volume.
2. DO NOT mix oil with fuel.
3. Clean the area around the fuel cap.
4. Remove the fuel cap.
5. Slowly add fuel to the tank. DO NOT overfill. Allow approximately ¼ in. of space for fuel expansion.



6. Screw on the fuel cap and wipe away any spilled fuel.

CAUTION

Use regular unleaded gasoline with a minimum octane rating of 85.

Do not mix oil and gasoline.
Fill tank to approximately ¼ in. below the top of the tank to allow for fuel expansion.
DO NOT fill fuel tank indoors.
DO NOT fill fuel tank when the engine is running or hot.
DO NOT overfill the fuel tank.
DO NOT light cigarettes or smoke when filling the fuel tank.

Grounding

Your generator must be properly connected to an appropriate ground to help prevent electric shock.

WARNING

Failure to properly ground the generator can result in electric shock.

A ground terminal connected to the frame of the generator has been provided on the power panel. For remote grounding, connect of a length of heavy gauge (12 AWG minimum) copper wire between the generator ground terminal and a copper rod driven into the ground. We strongly recommend that you consult with a qualified electrician to ensure compliance with local electrical codes.

OPERATION

Generator Location

Please consult your local authority. In some areas, generators must be registered with the local utility. Generators used at construction sites may be subject to additional rules and regulations.

This generator must have at least five feet of clearance from combustible material. Leave at least three feet of clearance on all sides of the generator to allow for adequate cooling, maintenance and servicing.

Place the generator in a well-ventilated area. DO NOT place the generator near vents or intakes where exhaust fumes could be drawn into occupied or confined spaces. Carefully consider wind and air currents when positioning generator.

Grounding

The generator system ground connects the frame to the ground terminals on the power panel. The system ground is connected to the AC neutral wire.

Surge Protection

CAUTION

Voltage fluctuation may impair the proper functioning of sensitive electronic equipment.

Electronic devices, including computers and many programmable appliances use components that are designed to operate within a narrow voltage range and may be affected by momentary voltage fluctuations. While there is no way to prevent voltage fluctuations, you can take steps to protect sensitive electronic equipment.

1. *Install UL1449, CSA-listed, plug-in surge suppressors on the outlets feeding your sensitive equipment.* Surge suppressors come in single- or multi-outlet styles. They're designed to protect against virtually all short-duration voltage fluctuations.
2. *Obtain an Uninterruptible Power Supply (UPS) device.* Most UPS devices come with a rechargeable battery between the electronic equipment and power supply source. The device buffers the voltage and protects against virtually all short-duration voltage fluctuations.

Starting the Engine

1. Make certain the generator is on a flat, level surface.
2. Disconnect all electrical loads from the generator. Never start or stop the generator with electrical devices plugged in or turned on.
3. Turn the fuel valve to the "On" position.
4. Flip the ignition switch to the "On" position.
5. Move the choke lever to the "Choke" position.
6. ELECTRIC START: Press and hold the ignition switch to the "START" position. Release as the engine begins to roll over. If the engine fails to start within five seconds, release the switch and wait at least ten seconds before attempting to start the engine again.
7. RECOIL START: Pull the starter cord slowly until resistance is felt and then pull rapidly
8. Do not over-choke. As as soon as engine starts, move the choke lever to the "Run" position.

NOTE

If the engine starts but does not run make certain that the generator is on a flat, level surface. The engine is equipped with a low oil sensor that will prevent the engine from running when the oil level falls below a critical threshold.

Connecting Electrical Loads

1. Let the engine stabilize and warm up for a few minutes after starting
2. Plug in and turn on the desired 120/240 Volt AC single phase, 60 Hz electrical loads.

– DO NOT connect 3-phase loads to the generator.
– DO NOT connect 50 Hz loads to the generator.
– DO NOT overload the generator.

NOTE

Connecting a generator to your electric utility company's power lines or to another power source may be against the law. In addition this action, if done incorrectly, could damage your generator and appliances and could cause serious injury or even death to you or a utility worker who may be working on nearby power lines. If you plan to run a portable electric generator during an outage, please notify your electric utility company immediately and remember to plug your appliances directly into the generator. Do not plug the generator into any electric outlet in your home. Doing so could create a connection to the utility company power lines. You are responsible for ensuring that your generator's electricity does not feed back into the electric utility power lines.
If the generator will be connected to a building electrical system, consult your local utility company or a qualified electrician. Connections must isolate generator power from utility power and must comply with all applicable laws and codes.

CAUTION

Improper load distribution can result in damage to the generator and any connected electrical devices.

When connecting loads the 120V Twist-Lock receptacle and a 120V Duplex receptacle simultaneously, Duplex **B** (furthest to the *right* of the Power Panel) must be used. See Power Panel diagram for clarification.

Stopping the Engine

1. Turn off and unplug all electrical loads. Never start or stop the generator with electrical devices plugged in or turned on.
2. Let the generator run at no-load for several minutes to stabilize internal temperatures of the engine and generator.
3. Press the ignition switch to the "Off" position.
4. Turn the fuel valve to the "Off" position.

Important: If the generator will be moved or stored turn the Fuel Valve to the **OFF** position and ensure the Ignition Switch on the Power Panel is in the **OFF** position.

OPERATION

Do Not Overload Generator

Capacity

Follow these simple steps to calculate the running and starting watts necessary for your purposes.

1. Select the electrical devices you plan on running at the same time.
2. Total the running watts of these items. This is the amount of power you need to keep your items running.
3. Identify the highest starting wattage of all devices identified in step 1. Add this number to the number calculated in step 2. Surge wattage is the extra burst of power needed to start some electric driven equipment. Following the steps listed under "Power Management" will guarantee that only one device will be starting at a time.

Power Management

Use the following formula to convert voltage and amperage to watts:

Volts x Amps = Watts

To prolong the life of your generator and attached devices, follow these steps to add electrical load:

1. Start the generator with no electrical load attached
2. Allow the engine to run for several minutes to stabilize.
3. Plug in and turn on the first item. It is best to attach the item with the largest load first.
4. Allow the engine to stabilize.
5. Plug in and turn on the next item.
6. Allow the engine to stabilize.
7. Repeat steps 5-6 for each additional item.

NOTE

Never exceed the specified capacity when adding loads to the generator.

Wattage Reference Chart

Use the chart to determine approximate wattage requirements for your equipment.

CAUTION

Exceeding specified load capacity can result in damage to the generator.

To determine total wattage necessary to power a device, **ADD** *Running Watts* to *Starting Watts.* (A+B)

Item	Running Watts (A)	Starting Watts (B)
Essentials		
Light Bulb 100W	100	
Refrigerator/Freezer	1200	2400
Freezer	500	500
Sump Pump	600	1800
Well Pump 1 HP	2000	4000
Water Heater	4000	
Security System	180	
AM/FM Radio	300	
Garage Door Opener 1/2 HP	500	600
Battery Charger 12V DC	110	
Heating/Cooling		
Air Conditioner 12000 BTU	1700	2500
Fan	300	600
Furnace Fan 1/3 HP	1200	2000
Home Appliances		
Microwave 1000W	1000	
Electric Range - One Element	1500	
Electric Skillet	1250	
Coffee Maker	1500	
Clothes Washer	1200	
Entertainment		
CD/DVD Player / VCR	100	
Stereo Receiver	450	
Television 27"	500	
PC with 15" Monitor	800	
Job Site		
Belt Sander 3"	1000	1500
Bench Grinder 6"	700	1500
Circular Saw	1500	1500
Compressor 1 1/2 HP	2500	2500
Edge Trimmer	500	500
Hand Drill 1/2"	1000	1000
Lawn Mower	1200	1800
Paint Sprayer	600	1200
Table Saw	2000	2000

The owner/operator is responsible for all periodic maintenance.

⚠WARNING

Never operate a damaged or defective generator.

⚠WARNING

Tampering with the factory set governor will void your warranty.

⚠WARNING

Improper maintenance will void your warranty.

NOTE

Maintenance, replacement, or repair of emission control devices and systems may be performed by any non-road engine repair establishment or individual.

Complete all scheduled maintenance in a timely manner. Correct any issue before operating the generator.

NOTE

For service or parts assistance, contact our help line at **1 (877) 338-0999**

Engine Maintenance

To prevent accidental starting, remove and ground spark plug wire before performing any service.

Oil

Change oil when the engine is warm. Refer to the oil specification to select the proper grade of oil for your operating environment.

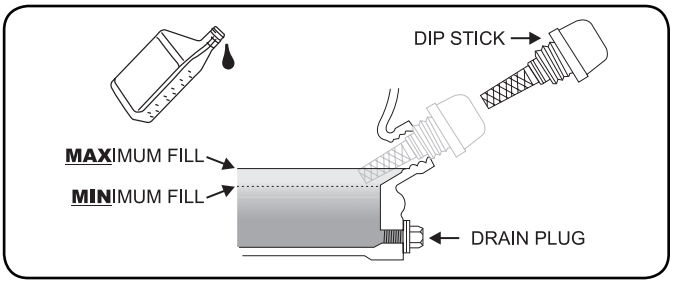
1. Remove the oil drain plug with a 15 mm socket and extension.
2. Allow the oil to drain completely.
3. Replace the drain plug.
4. Remove oil fill cap/dipstick to add oil.
5. Add 1.16 qt (1.1 L) of oil and replace oil fill cap/dipstick.

Oil Cont'd.

NOTE

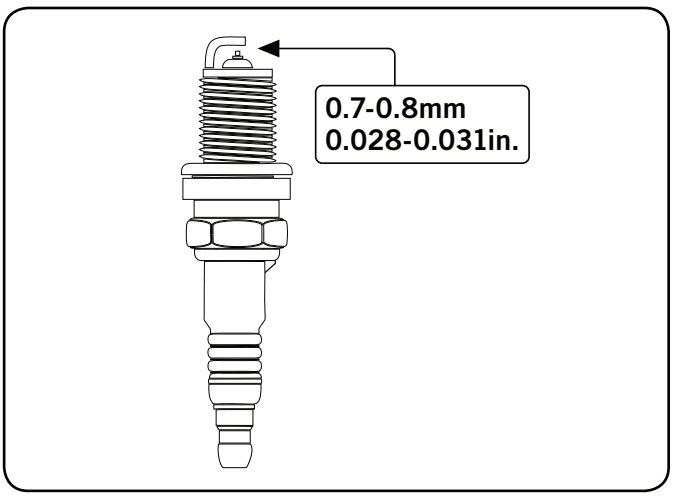
Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, DO NOT screw in the dipstick while checking.

6. Dispose of used oil at an approved waste management facility.



Spark Plugs

1. Remove the spark plug cable from the spark plug.
2. Use the spark plug tool that shipped with your generator to remove the plug.
3. Inspect the electrode on the plug. It must be clean and not worn to produce the spark required for ignition.
4. Make certain the spark plug gap is 0.7 - 0.8mm or (0.028 - 0.031 in.).



5. Refer to the spark plug recommendation in Specifications section when replacing the plug.
6. Carefully thread the plug into the engine.
7. Use the spark plug tool to firmly install the plug.
8. Attach the spark plug wire to the plug.

MAINTENANCE AND STORAGE

Air Filter

1. Remove the snap-on cover holding the air filter to the assembly.
2. Remove the foam element.
3. Wash in liquid detergent and water. Squeeze thoroughly dry in a clean cloth.
4. Saturate in clean engine oil.
5. Squeeze in a clean, absorbent cloth to remove all excess oil.
6. Place the filter in the assembly.
7. Reattach the air filter cover and snap in place.

Cleaning

⚠ CAUTION

DO NOT spray engine with water.

Water can contaminate the fuel system.

Use a damp cloth to clean exterior surfaces of the engine.
Use a soft bristle brush to remove dirt and oil.
Use an air compressor (25 PSI) to clear dirt and debris from the engine.

Adjustments

The air-fuel mixture is not adjustable. Tampering with the governor can damage your generator and your electrical devices and will void your warranty. CPE recommends that you contact our service line at **1 (877) 338-0999** for all other service and/or adjustment needs.

Maintenance Schedule

Follow the service intervals indicated in the following maintenance schedule.
Service your generator more frequently when operating in adverse conditions.
Contact our help line at **1 (877) 338-0999** to locate the nearest Champion Power Equipment certified service dealer for your generator or engine maintenance needs.

Every 8 hours or daily	
	Check oil level
	Clean around air intake and muffler
First 5 Hours	
	Change oil
Every 50 hours or every season	
	Clean air filter
	Change oil if operating under heavy load or in hot environments
Every 100 hours or every season	
	Change oil
	Clean/Adjust spark plug
	Check/Adjust valve clearance *
	Clean spark arrester
	Clean fuel tank and filter *
Every 3 years	
	Replace fuel line

*To be performed by knowledgeable, experienced owners or Champion Power Equipment certified dealers.

Generator Maintenance

Make certain that the generator is kept clean and stored properly. Only operate the unit on a flat, level surface in a clean, dry operating environment. DO NOT expose the unit to extreme conditions, excessive dust, dirt, moisture or corrosive vapors.

⚠ CAUTION

DO NOT use a garden hose to clean the generator.

Water can enter the generator through the cooling slots and damage the generator windings.

Use a damp cloth to clean exterior surfaces of the generator.
Use a soft bristle brush to remove dirt and oil.
Use an air compressor (25 PSI) to clear dirt and debris from the generator.
Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

Storage

The generator should be started at least once every 14 days and allowed to run for at least 20 minutes. For longer term storage, please follow these guidelines.

Generator Storage

1. Allow the engine to cool completely before storage.
2. Clean the generator according to the instructions in the Maintenance section.
3. Turn off the fuel supply at the Fuel Valve.
4. Drain all fuel completely from the fuel line and carburetor to prevent gum from forming.
5. Add a fuel stabilizer into the fuel tank.
6. Change the oil.
7. Remove the spark plug and pour about ½ ounce of oil into the cylinder. Crank the engine slowly to distribute the oil and lubricate the cylinder.
8. Reattach the spark plug.
9. Store the unit in a clean, dry place out of direct sunlight.

⚠ DANGER

Generator exhaust contains odorless and colorless carbon monoxide gas.

To avoid accidental or unintended ignition of your electric start generator during periods of storage, the following precautions should be followed:

– When **storing the generator for short periods of time** make sure that the Ignition Switch and the Fuel Valve are switched to the **OFF** position.
– When **storing the generator for extended periods of time** make sure that the Ignition Switch and the Fuel Valve are switched to the the **OFF** position and the battery leads have been **disconnected** from the battery.

Disconnect the Battery

1. Remove the protective cover from the black/negative battery lead.
2. Disconnect the black/negative lead from the black/negative terminal on the battery and store the cap screw (M5x12) and lock washer (M5).
3. Repeat steps 1-2 for the red/positive battery lead.
4. Store the battery in a cool, dry place.

Charge the Battery

Proper battery maintenance and storage should be followed. A 12V automatic battery charger with trickle charging capability or a battery tender should be used to charge the battery. Maximum charging rate should not exceed 2 amps. Follow the instructions included with the battery charger. The battery should be fully charged at least once per month.

NOTE

A Float Charger will maintain the battery condition over long storage periods.

SPECIFICATIONS

Engine Specifications

– Engine . . . . . 439cc OHV CPE (Electric Start)

Generator Specifications

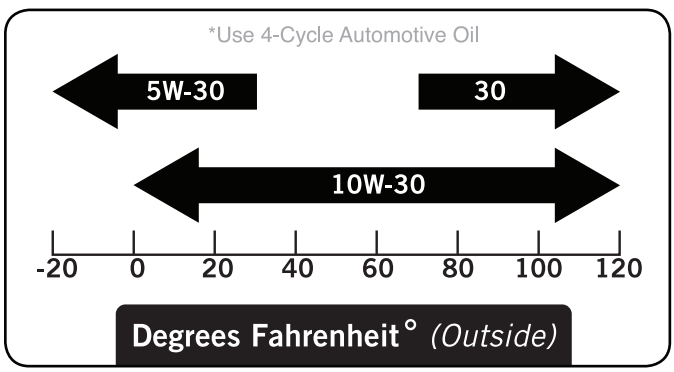
– Running Wattage . . . . . 7200 Watts
– Starting Wattage . . . . . 9000 Watts
– AC Voltage . . . . . 120/240 V
– Phase . . . . . Single
– Frequency . . . . . 60 Hz
– Fuel Capacity . . . . . 6.5 gallons (25 L)
– Gross Weight . . . . . 227.1 lbs. (103 kg)
– Net Weight . . . . . 217.6 lbs. (98.7)
– Height . . . . . 26.8 inches (68 cm)
– Width . . . . . 26.8 inches (68 cm)
– Length . . . . . 37.4 inches (95 cm)

Fuel

Fuel capacity is 6.5 gallons (25 L). Use regular unleaded gasoline with a minimum octane rating of 85 and an ethanol content of less than 10% by volume.

Oil

Use 4-Cycle automotive oil.
Oil capacity is 1.16 qt (1.1 L).
Please reference the following chart for recommended oil types for use in the generator.



Spark Plugs

Recommended replacement spark plug:

– **NGK BPR6ES or equivalent**

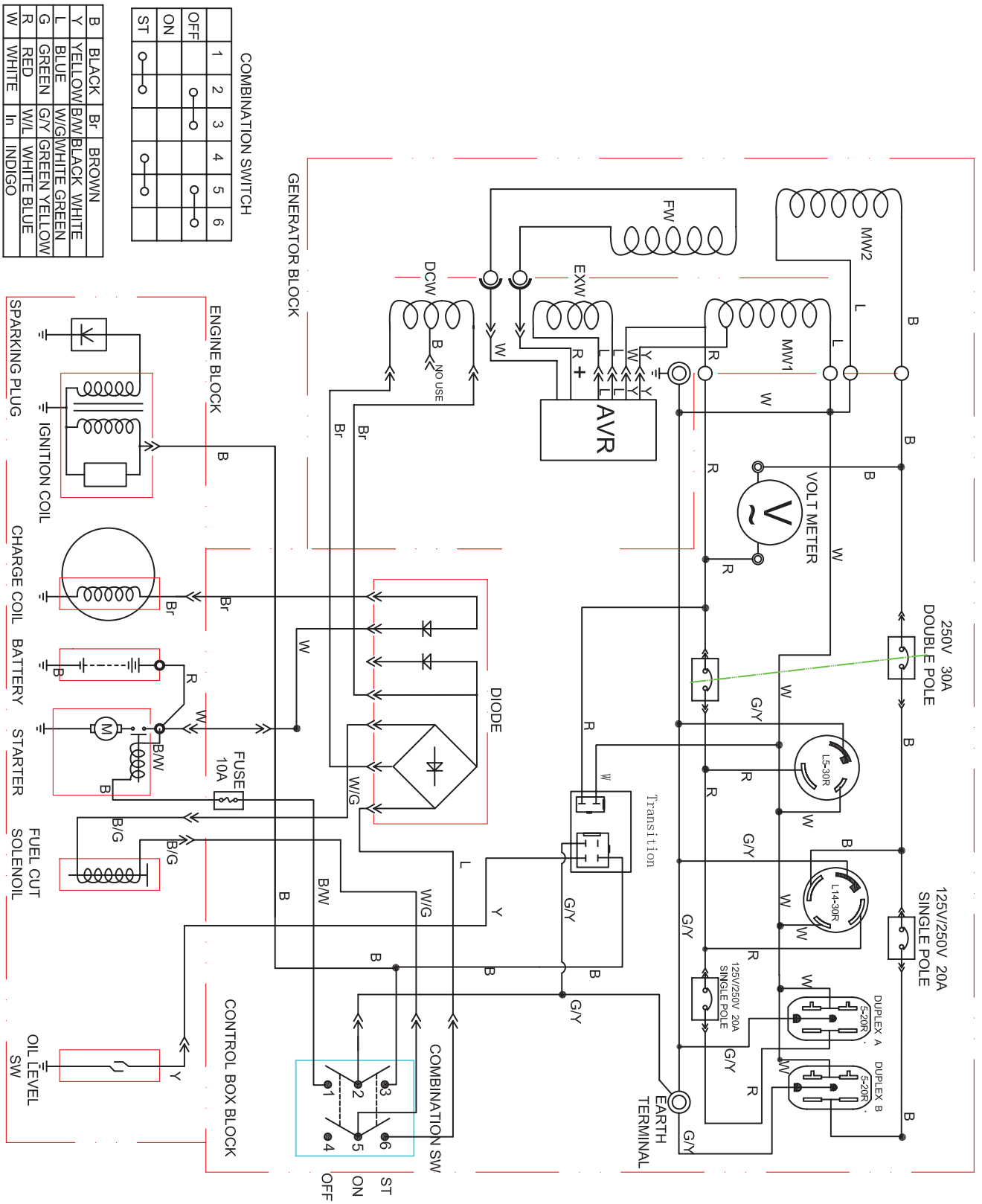
Make certain the spark plug gap is 0.7 – 0.8 mm or (0.028 – 0.031 in.).

Valve Clearance

– Intake: 0.13 – 0.17 mm (0.005 – 0.007 in.)
– Exhaust: 0.18 – 0.22 mm (0.007 – 0.009 in.)

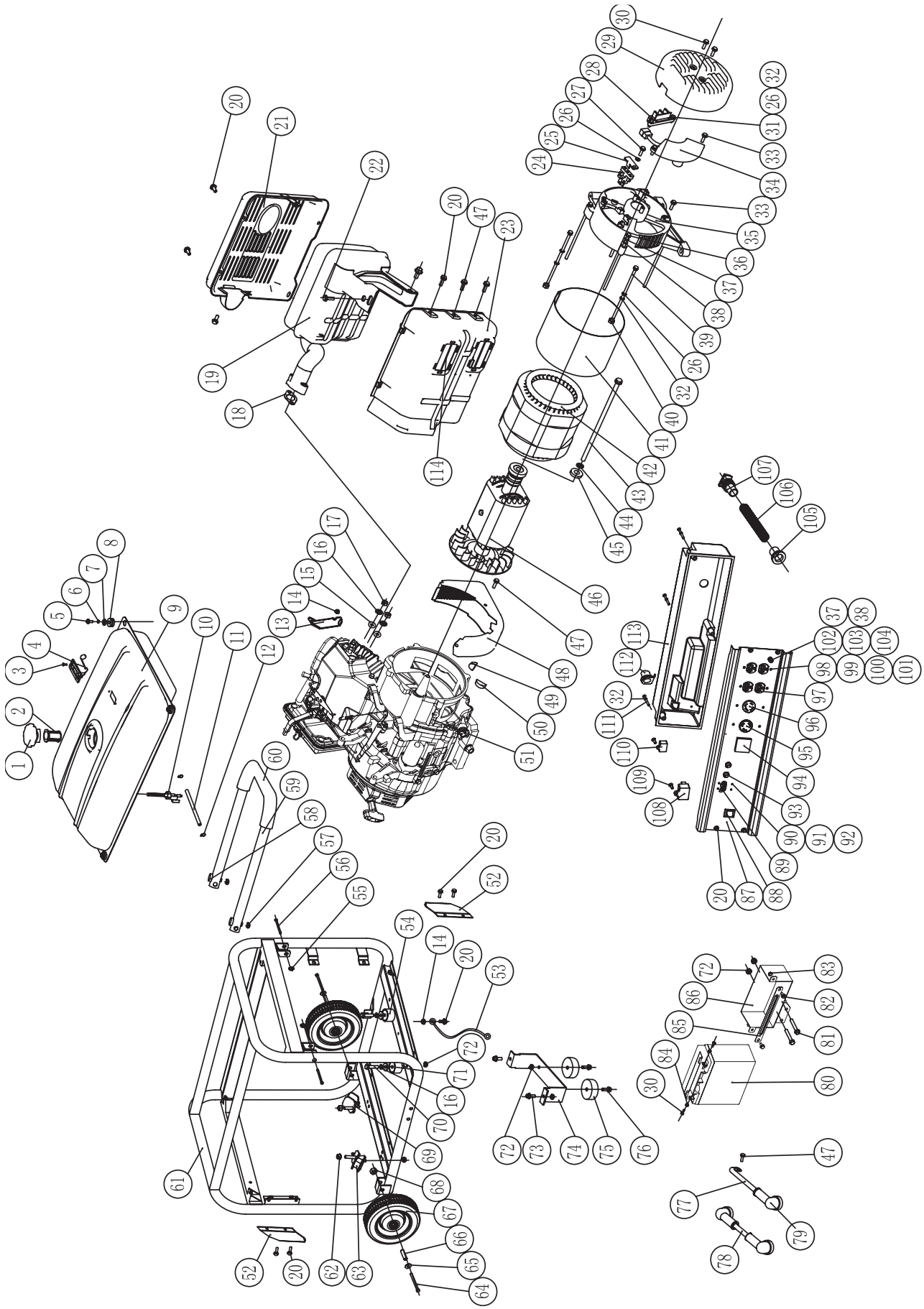
SPECIFICATIONS

Wiring Diagram



SPECIFICATIONS

Parts Diagram



#	Part Number	Description	Qty
1	ST02FD-04120000-A	Fuel tank cap	1
2	ST02FD-04130000	Fuel filter	1
3	GB819 M5x10	Screw M5x10	2
4	ST05FD-04120000	Fuel meter assembly	1
5	GB5789 M6x20	Flange Bolt M6x20	4
6	GB93 6	Locking washer ø6	4
7	ST02FD-04100014	Washer ø6	4
8	ST02FD-04100010	Tank rubber	4
9	ST05FD-04310000(Y)	Fuel tank	1
10	ST02FD-04160000	Fuel cock	1
11	ST188FD-1160002-CPE	Pipe,fuel	1
12	ST188FD-1070006A	Clamp	2
13	ST188FD-1090006	Holder Air Cleaner	1
14	GB6177 M6	Nut M6	2
15	GB848 8	Washer ø8	2
16	GB93 8	Lockring washer ø8	4
17	GB6175 M8	NutM8	2
18	ST188FD-1100001-G	Muffler Gasket	1
19	ST190FD-2-1733000-G	Muffler	1
20	GB5789 M6x12	Flange Bolt M6x12	14
21	ST188FD-1732200-A(F)	Muffler outer protector	1
22	GB5789 M8x20	Flange Bolt M8x20	2
23	ST188FD-1732100(F)	Muffler inner protector	1
24	ST05FD-1152035	Carbon Brush Assembly	1
25	ST02FD-02100008	Pinch	1
26	GB93 5	Locking washer ø5	5
27	GB5783 M5x20	Bolt M5x20	1
28	ST02FD-02100010	Terminal Block	1
29	ST05FD-1152001(Y)	Generator end cover	1
30	GB16674 M5x12	Flange Bolt M5x12	4
31	GB5783 M5x16	Bolt M5x16	2
32	GB97·1 5	Washer ø5	7
33	GB16674 M5x16	Flange Bolt M5x16	3
34	ST07FD-02010100-CSA	AVR	1
35	ST05FD-1152002	End Housing	1
36	ST07FD-02010002	Flange bolt M6x194	4
37	GB93 6	Locking washer ø6	6
38	GB97·1 6	Washer ø6	6
39	ST07FD-02010003	Bolt M5x229	2
40	GB6175 M5	Nut M5	2
41	ST07FD-02011001	Stator cover	1
42	ST07FD-02011100-CSA	Stator Assembly	1
43	ST07FD-02010001	Flange bolt M10x280	1
44	GB7244 10	Locking washer ø10	1
45	GB96 10	Washer ø10	1
46	ST07FD-02011200-CSA	Rotor Assembly	1
47	GB5789 M6x8	Flange Bolt M6x8	5
48	ST05FD-1151600	Air Guide	1
49	ST05FD-1152008	Plug-A	1
50	ST05FD-1152009	Plug-B	1
51	190FDE-2-G	Engine	1
52	ST05FD-03160002	Fender Board	2
53	ST02FD-1152010-05	Grounding line	1
54	ST182FD-1742003-UC	Motor Mount	2
55	GB896 8	Circlip ø8	2
56	27.001	Pin	2
57	GB896 6	Circlip ø6	2
58	ST05FD-03161202	Handle underlay	2

#	Part Number	Description	Qty
59	ST182FD-1742201-UC (F)	Handle	1
60	ST182FD-1742203-UC	Handle sheath	1
61	ST05FD-0156-6	Frame	1
62	GB6177 M10	Nut M10	2
63	ST05FD-1151300-1	Motor mount I	1
64	GB5782 M10x120	Bolt M10x120	2
65	GB96 10	Flat washer ø10	2
66	ST36QXG-03000002	Bushing ø10xø16x69.5	2
67	ST188FD-1744002-T(Y)	Wheel 10"	2
68	GB6182 M10	Nut M10	2
69	ST05FD-1151400-1	Motor mount II	1
70	GB5789 M8x35	Flange Bolt M8x35	2
71	GB96 8	Big washer ø8	2
72	GB6177 M8	Nut M8	14
73	GB5789 M8x16	Flange Bolt M8x16	2
74	ST05FD-03020301-84(F)	Support leg	1
75	ST188FD-1743002-C	Vibration mount	2
76	GB5789 M8x25	Flange Bolt M8x25	2
77	ST168FD-1750002-C6	battery black wire (-)	1
78	ST168FD-1750002-C5	battery red wire (+)	1
79	ST05FD-03011112	Wire jacket	3
80	FM12180	Battery	1
81	GB5789 M8x45	Flange Bolt M8x45	2
82	GB5789 M6x12	Flange Bolt M6x12	2
83	GB6177 M6	Nut M6	2
84	GB6177 M5	Nut M5	2
85	ST05FD-03451001-1	Battery setting plate	1
86	28.001	Lock,Battery	1
87	5A124E(F)	Control panel	1
88	29.001.00	Switch,Flameout	1
89	ST02FD-05302005-30-CSA	125/250V 30A Double pole	1
90	GB823 M3x6	Screw M3x6	4
91	GB859 3	Locking washer ø3	4
92	GB848 3	Flat washer ø3	4
93	ST02FD-05302001-L20-CSA	A.C 20A Breaker	2
94	ST02FD-05602010-D	Voltage Meter	1
95	ST02FD-05502020-CSA	Receptacle L5-30R	1
96	ST02FD-05502022-CSA	Receptacle L14-30R	1
97	ST02FD-05502023-CSA	Receptacle 5-20R	2
98	GB823 M4x14	Screw M4x14	8
99	GB859 4	Locking washer ø4	8
100	GB848 3	Flat washer ø4	8
101	GB6177 M4	Nut M4	8
102	GB5783 M6x22	Bolt M6x22	1
103	GB6175 M6	Nut M6	2
104	GB862 6	Washer ø6	1
105	ST05FD-05215002	Plug	1
106	ST05FD-05215008-CSA	Pipe (Metal)	1
107	ST05FD-05215004	Plug	1
108	0V02-00000000	Transition	1
109	GB823 M5x14	ScrewM5x14	2
110	BG01-00000000	RECTIFIER	1
111	GB818 M5x38	Screw M5x38	3
112	ST05FD-05215006	Plug	1
113	ST05FD-05205009(CSA)	Control box	1
114	ST188FD-1732001	Rubber plate,Muffler	2

TROUBLESHOOTING

Problem	Cause	Solution
Generator will not start	No fuel	Add fuel
	Faulty spark plug	Replace spark plug
	Unit loaded during start up	Remove load from unit
Generator will not start;	Low oil level	Fill crankcase to the proper level
		Place generator on a flat, level surface
Generator starts but runs roughly	Choke in the wrong position.	Adjust choke.
	Spark plug wire loose	Attach wire to spark plug
Generator shuts down during operation	Out of fuel	Fill fuel tank
	Low oil level	Fill crankcase to the proper level. Place generator on a flat, level surface
Generator cannot supply enough power or overheating	Generator is overloaded	Review load and adjust. See “Power Management”
	Insufficient ventilation	Check for air restriction. Move to a well ventilated area
No AC output	Cable not properly connected	Check all connections
	Connected device is defective	Replace defective device
	Circuit breaker is open	Reset circuit breaker
	Faulty brush assembly	Replace brush assembly (Service Center)
	Faulty AVR (auto voltage regulator)	Replace AVR (Service Center)
	Loose wiring	Inspect and tighten wiring connections
	Other	Contact the help line.
Generator gallops	Engine governor defective	Contact the help line
Repeated circuit breaker tripping	Overload	Review load and adjust. See “Power Management”
	Faulty cords or device	Check for damaged, bare or frayed wires. Replace defective device

For further technical support:

Technical Service
Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free: 1 (877) 338-0999
tech@championpowerequipment.com

WARRANTY

CHAMPION POWER EQUIPMENT
2 YEAR LIMITED WARRANTY

Warranty Qualifications

Champion Power Equipment (CPE) will register this warranty upon receipt of your Warranty Registration Card and a copy of your sales receipt from one of CPE's retail locations as proof of purchase.
Please submit your warranty registration and your proof of purchase within ten (10) days of the date of purchase.

Repair/Replacement Warranty

CPE warrants to the original purchaser that the mechanical and electrical components will be free of defects in material and workmanship for a period of one year (parts and labor) and two years (parts) from the original date of purchase (90 days (parts and labor) and 180 days (parts) for commercial & industrial use). Transportation charges on product submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable.

Do Not Return The Unit To The Place Of Purchase

Contact CPE's Technical Service and CPE will troubleshoot any issue via phone or e-mail. If the problem is not corrected by this method, CPE will, at its option, authorize evaluation, repair or replacement of the defective part or component at a CPE Service Center. CPE will provide you with a case number for warranty service. Please keep it for future reference. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.

Warranty Exclusions

This warranty does not cover the following repairs and equipment:

Normal Wear

Generators need periodic parts and service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance

This warranty will not apply to parts and/or labor if this generator is deemed to have been misused, neglected, involved in an accident, abused, loaded beyond the generator's limits, modified, installed improperly or connected incorrectly to any electrical component.

Installation, Use and Maintenance Cont'd.

Normal maintenance such as spark plugs, air filters, adjustments, fuel system cleaning and obstruction due to buildup is not covered by this warranty.

Other Exclusions

This warranty excludes:
- Cosmetic defects such as paint, decals, etc.
- Wear items such as filter elements, o-rings, etc.
- Accessory parts such as starting batteries, and storage covers.
- Failures due to acts of God and other force majeure events beyond the manufacturer's control.
- Problems caused by parts that are not original Champion Power Equipment parts.

This warranty does not apply to generators used for prime power in place of a utility.

Limits of Implied Warranty and Consequential Damage

Champion Power Equipment disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this generator. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
A unit provided as an exchange will be subject to the warranty of the original unit. The length of the warranty governing the exchanged unit will remain calculated by reference to the purchase date of the original unit.
This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

Address

Champion Power Equipment, Inc.
Customer Service
10006 Santa Fe Springs Rd.
Santa Fe Springs, CA 90670
www.championpowerequipment.com

Customer Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free:1 (877) 338-0999
Fax no.: 1 (562) 236-9429

Technical Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free: 1 (877) 338-0999
tech@championpowerequipment.com

Champion Power Equipment, Inc (CPE),
Emission Control System Warranty

Your Champion Power Equipment (CPE) engine complies with Environment Canada (EC) emission regulations.

YOUR WARRANTY RIGHTS AND OBLIGATIONS:

CPE is pleased to explain the Emission Control Systems Warranty on your 2011 small off-road engine. New engines must be designed, built and equipped, at the time of sale, to meet EC regulations for small non-road engines. CPE must warrant the emission control system on your small off-road engine for the period of time listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your small off-road engine.

Your emission control system may include parts such as the carburetor, fuel-injection system, the ignition system, catalytic converter and fuel lines. Also included may be hoses, belts, connectors and other emission related assemblies. Where a warrantable condition exits, CPE will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S EMISSION CONTROL SYSTEM WARRANTY COVERAGE:

This emission control system is warranted for two years, subject to provisions set forth below. If, during the warranty period, emission related part on your engine is defective in materials or workmanship, the part will be repaired or replaced by CPE.

OWNER WARRANTY RESPONSIBILITIES:

As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. CPE recommends that you retain all your receipts covering maintenance on your small off-road engine, but CPE cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should however be aware that CPE may deny you warranty coverage if your small, off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to an Authorized CPE service outlet, CPE dealer or CPE, Santa Fe Springs, CA., USA as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact:

Champion Power Equipment, Inc.
Customer Service
10006 Santa Fe Springs Road
Santa Fe Springs, CA 90670
USA
Tel: 1-877-338-0999

The emission warranty is a defects warranty. Defects are judged on normal engine performance. The warranty is not related to an in-use emission test.

EMISSION CONTROL SYSTEM WARRANTY

The following are specific provisions relative to your Emission Control System Warranty Coverage.

Emission Control System Warranty (ECS Warranty):

1. APPLICABILITY: The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.

2. GENERAL EMISSIONS WARRANTY COVERAGE

CPE warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its small off-road engines is:

a. Designed, built and equipped so as to conform at the time of sale with applicable regulations under the Canadian Environmental Protection Act, 1999 (CEPA 1999).

b. Free from defects in materials and workmanship that cause the failure of a warranted part to be identical in all material respects to the part as described in the engine manufacturer's application for certification for a period of two years.

3. THE WARRANTY ON EMISSION-RELATED PARTS WILL BE INTERPRETED AS FOLLOWS:

a. Any warranted part that is not scheduled for replacement as required maintenance in the Owners Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be repaired or replaced by CPE according to Subsection "d" below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period.

b. Any warranted, emissions-related part which is scheduled only for regular inspection as specified in the Owners Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period.

c. Any warranted, emissions-related part which is scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by CPE according to Subsection "d" below. Any such emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first scheduled replacement point for such emissions-related part.

d. Repair or replacement of any warranted, emissions-related part under this ECS Warranty shall be performed at no charge to the owner at a CPE Authorized Service Outlet.

e. The owner shall not be charged for diagnostic labor which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a CPE Authorized Service Outlet.

f. CPE shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.

g. Throughout the ECS Warranty Period, CPE shall maintain a supply of warranted emission-related parts sufficient to meet the expected demand for such emission-related parts.

h. Any CPE Authorized and approved emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner. Such use shall not reduce CPE's warranty obligation.

i. Unapproved add-on or modified parts may not be used to modify or repair a CPE engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. CPE shall not be liable hereunder for failures of any warranted parts of a CPE engine caused by the use of such an unapproved add-on or modified part.

EMISSION-RELATED PARTS INCLUDE THE FOLLOWING: (using those portions of the list applicable to the engine)

Systems covered by this warranty	Parts Description
Fuel Metering System	Fuel regulator, Carburetor and internal parts
Air Induction System	Air cleaner, Intake manifold
Ignition System	Spark plug and parts, Magneto ignition system
Exhaust System	Exhaust manifold, catalytic converter
Miscellaneous Parts	Tubing, Fittings, Seals, Gaskets, and Clamps associated with these listed systems.

TO OBTAIN WARRANTY SERVICE:

You must take your CPE engine or the product on which it is installed, along with your warranty registration card or other proof of original purchase date, at your expense, to any Champion Power Equipment dealer who is authorized by Champion Power Equipment, Inc. to sell and service that CPE product during his normal business hours. Claims for repair or adjustment found to be caused solely by defects in material or workmanship will not be denied because the engine was not properly maintained and used.

If you have any questions regarding your warranty rights and responsibilities, or to obtain warranty service, please write or call Customer Service at Champion Power Equipment, Inc.

Champion Power Equipment, Inc.
10006 Santa Fe Springs Road
Santa Fe Springs, CA 90670
USA
1-877-338-0999
Attn: Customer Service